

CLAIMS

What is claimed is:

- 5 1. A wireless Internet gateway, comprising:
 a Java Remote Method Invocation (RMI) handler;
 a destination handler; and
 a message handler between said RMI handler and said
destination handler;
 wherein RMI objects are inserted in said message handler
10 by an application server in communication with said RMI handler.
2. The wireless Internet gateway according to claim 1,
wherein:
 said destination handler utilizes SMPP protocols.
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3. The wireless Internet gateway according to claim 1,
wherein:
 said destination handler utilizes HTTP protocols.
- 20 4. The wireless Internet gateway according to claim 1,
wherein:
 said destination handler utilizes TNPP protocols.
5. The wireless Internet gateway according to claim 1,
25 further comprising:
 an SMPP link proxy module providing direct communication
between an application server and said destination handler.

6. The wireless Internet gateway according to claim 1,
further comprising:

a message queue;

5 wherein messages contained in RMI objects in said
message handler are queued for transmission to a destination in said
message queue.

7. The wireless Internet gateway according to claim 1,
further comprising:

10 a generic destination interface between said message
queue and said destination handler.

8. The wireless Internet gateway according to claim 1,
further comprising:

15 a chat server in communication with said RMI handler.

9. The wireless Internet gateway according to claim 1,
further comprising:

20 an e-mail server in communication with said RMI handler.

10. The wireless Internet gateway according to claim 1,
further comprising:

25 an SMTP handler in communication with said handler.

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11. A wireless Internet gateway, comprising:
a Java Remote Method Invocation (RMI) handler;
an SMPP delivery handler; and
a message handler between said RMI handler and said

5 SMPP delivery handler;

wherein RMI objects are inserted in said message handler
by an application server in communication with said RMI handler, directed
to said SMPP delivery handler for delivery to a wireless device using
SMPP protocols.

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12. A method of providing communications between a
wireless network and the Internet, comprising:

accepting an RMI object from an application server in
communication with the Internet;

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extracting a short message from said RMI object; and
passing said short message to a destination handler for
transmission to said wireless network.

13. The method of providing communications between a
20 wireless network and the Internet according to claim 12, further
comprising:

monitoring short messages relating to a particular
destination subscriber for billing purposes based on a number of short
messages communicated with said destination subscriber.

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14. The method of providing communications between a wireless network and the Internet according to claim 13, wherein said step of passing comprises:

5 passing said short message to a generic protocol destination interface; and

 passing said short message from said generic protocol destination to said destination handler.

15 15. The method of providing communications between a wireless network and the Internet according to claim 13, further comprising:

 adding a parameter to said short message in a wireless Internet gateway.

15 16. The method of providing communications between a wireless network and the Internet according to claim 13, wherein said added parameter comprises:

 a message priority level.

20 17. The method of providing communications between a wireless network and the Internet according to claim 13, wherein said added parameter comprises:

 a callback number.

25 18. The method of providing communications between a wireless network and the Internet according to claim 13, wherein said added parameter comprises:

 a validity time.

19. The method of providing communications between a wireless network and the Internet according to claim 13, wherein said added parameter comprises:

a delivery receipt request.

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20. The method of providing communications between a wireless network and the Internet according to claim 13, further comprising:

logging details about said short message in a messages
10 database.

21. The method of providing communications between a wireless network and the Internet according to claim 13, further comprising:

15 storing contents of said short message in a message cache.

22. Apparatus for providing communications between a wireless network and the Internet, comprising:

means for accepting an RMI object from an application
20 server in communication with the Internet;

means for extracting a short message from said RMI object;
and

means for passing said short message to a destination
handler for transmission to said wireless network.

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23. The apparatus for providing communications between a wireless network and the Internet according to claim 22, wherein said means for passing comprises:

means for passing said short message to a generic protocol destination interface; and

means for passing said short message from said generic protocol destination to said destination handler.

24. The apparatus for providing communications between a wireless network and the Internet according to claim 22, further comprising:

means for logging details about said short message in a messages database.

25. The apparatus for providing communications between a wireless network and the Internet according to claim 22, further comprising:

means for storing contents of said short message in a message cache.

26. The apparatus for providing communications between a wireless network and the Internet according to claim 22, further comprising:

means for receiving an e-mail message from an SMTP handler; and

means for passing said e-mail message to said destination handler for transmission to said wireless network.

27. The apparatus for providing communications between a wireless network and the Internet according to claim 22, further comprising:

5 means for adding a parameter to said short message in a wireless Internet gateway.

28. The apparatus for providing communications between a wireless network and the Internet according to claim 22, wherein said means for adding a parameter adds at least one of:

10 a message priority level;
a callback number;
a validity time; and
a delivery receipt request.

15 29. A method of providing an encrypted license to a system user, comprising:

establishing at least one adjustable parameter having a maximum range for said system;

20 encrypting a license file with an enablement of said adjustable parameter; and

limiting a range of said adjustable parameter using said encrypted license file, within said maximum range based on a level of use granted to said system user.

25 30. The method of providing an encrypted license to a system user according to claim 29, wherein:

said system is a wireless Internet gateway.

31. Apparatus for providing an encrypted license to a system user, comprising:

means for establishing at least one adjustable parameter having a maximum range for said system;

5 means for encrypting a license file with an enablement of said adjustable parameter; and

means for limiting a range of said adjustable parameter using said encrypted license file, within said maximum range based on a level of use granted to said system user.

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32. The apparatus for providing an encrypted license to a system user according to claim 31, wherein:

said system is a wireless Internet gateway.

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